BAM-1020 Audit Sheet

Model:	BAM-1020	Serial Number:	T21292
Audit Date:	7/5/17	Audited By:	Michael Potter

Flow Audits

	Model:	BGI DeltaCal	Serial No:	146294	Calibration Date:	1/16/16
Flow Reference Standard Used:	Model:	BGI DeltaCal	Serial No:	146294	Calibration Date:	1/16/16
Temperature Standard Used:	Model:	''	Serial No:	''	Calibration Date:	''
Barometric Pressure Standard Used:	Model:	''	Serial No:	''	Calibration Date:	''

Leak Check Value: as found: 0.0 lpm   as left: 0.0 lpm

		BAM	Ref. Std.		BAM	Ref. Std.	
Ambient Temperature:	as found:	33.9 C	32.1 C	as left:	33.9 C	32.1 C	N/A ☐
Barometric Pressure:	as found:	747 mmHg	747 mmHg	as left:	747 mmHg	747 mmHg	
Flow Rate (Actual Volumetric):	as found:	16.7 lpm	16.79 lpm	as left:	16.7 lpm	16.79 lpm	N/A ☐
Flow Rate (EPA Standard):	as found:	slpm	slpm	as left:	slpm	slpm	N/A ☐

Mechanical Audits

	as found	as left		as found	as left	N/A
Pump muffler unclogged:	✓		PM10 particle trap clean:		✓	N/A
Sample nozzle clean:	✓		PM10 drip jar empty:		✓	N/A
Tape support vane clean:		✓	PM10 bug screen clear:		✓	N/A
Capstan shaft clean:		✓	PM2.5 particle trap clean:			N/A ✓
Rubber pinch rollers clean:		✓	Inlet tube water-tight seal OK:	✓		
Chassis ground wire installed:	✓		Inlet tube perpendicular to BAM:	✓		

Analog Voltage Output Audit   N/A ☐

DAC Test Screen	BAM Voltage Output	Logger Voltage Input
0.000 Volts	Volts	Volts
0.500 Volts	Volts	Volts
1.000 Volts	Volts	Volts

Membrane Audit

LAST m (mg):	
ABS (mg):	
Difference (mg):	
% Difference:	

Flow Control Range

Flow Setpoint	BAM Flow
15.0 LPM	
16.7 LPM	
18.4 LPM	

Setup and Calibration Values

Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock Time/Date			FLOW TYPE			AP		
RS232 baud			Cv			FRI		
STATION #			Qo			FRh		
RANGE			ABS			Password		
BAM SAMPLE			μ sw			Cycle Mode		
MET SAMPLE			K Factor			RH Control		
OFFSET			BKGD			RH Setpoint		
CONC UNITS			STD TEMP			Datalog RH		
COUNT TIME			HEATER			Delta-T Control		
FLOW RATE			e1			Delta-T Setpoint		
CONC TYPE			Errors			Datalog Delta-T		

Last 6 Errors in BAM-1020 Error Log

	Error	Date	Time		Error	Date	Time
1	Maintenance	7/6/17	14:25	4	Maintenance	6/1	11:15
2	Delta Pressure	6/14/17	16:24	5	''	5/18	11:17
3	Maintenance	6/11/17	17:39	6	''	5/18	11:00

Audit Notes: Data Download Tape Test x3. System Running on Arrival.
Weather data download + clock synch.